Appendix A coort.)

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The present invention describes peptides (I) binding to galanin receptor proteins. (I) contain the sequence APAHRGRGG or one substantially identical to it, and their precursors, salts, amides and esters, which bind especially to rat galanin receptor proteins. Products from the present invention are used in assays of galanin/galanin receptor binding and the development of drugs acting on galanin/galanin receptor binding function improvers, appetite improvers, and function requiators for the womb, kidney, prostate, testis or skeletai muscle. AAY45129 to AAX45154 and AAZ25518 to AAX2552 represent sequences used in the exemplification
Peptides binding to galanin receptor proteins, used to, e.g. improve kidney functioning –
                                                                                                                                                                                                                                                                                                                                                Physiologically active peptide; receptor binding; galanin receptor; GALR1; GALR2; GALR3; chymotrypsin; ligand; preprogalanin; galanin; drug development; memory function; appetite improver; womb; kidney; function regulator; prostate; testis; skeletal muscle; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 473 BP; 96 A; 155 C; 124 G; 98 T; 0 other;
                                                                                                                                                                                                                                                                                                                      Receptor binding peptide encoding cDNA SEQ ID NO:42.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 13; Page 143; 153pp; Japanese.
                                                                                                                                                                                                                                  AA225536 standard; cDNA; 473 BP.
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21-SEP-1998;
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The present invention describes peptides (I) binding to galanin receptor proteins. (I) contain the sequence APAHRGRGG or one substantially identical to it, and their precursors, salts, anides and esters, which bind especially to rat galanin receptor proteins. Products from the present invention are used in assays of galanin/galanin receptor binding and the development of drugs acting on galanin binding, such as memory function improvers, appetite improvers, and function regulators for the womb, kidney, prostate, testls or skeletal muscle. AAX45129 to AAX4515 and AAX25518 to AAX25518 to AAX45120.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Peptides binding to galanin receptor proteins, used to, e.g. improve kidney functioning -
                                               Physiologically active peptide; receptor binding; galanin receptor; GALR1; GALR2; GALR3; chymotrypsin; ligand; preprogalanin; galanin; drug development; memory function; appetite improver; womb; kidney; function regulator; prostate; testis; skeletal muscle; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ogi K, Kitada
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 13; Page 135; 153pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ohtaki T, Matsui H, Ishibashi Y,
                                                                                                                                                                                                                                                                                 AAZ25530 standard; cDNA; 974 BP.
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Appendix C

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The present invention describes peptides (I) binding to galanin receptor proteins. (I) contain the sequence APAHRGRGG or one substantially identical to it, and their precursors, salts, andles and esters, which bind especially to rat galanin receptor proteins. Products from the present invention are used in assays of galanin/galanin receptor binding and the development of drugs acting on galanin binding, such as memory function improvers, appetite improvers, and function regulators for the womb, kidney, prostate, testis or skeletal muscle. AAY45129 to AAY45154 and AAX25518 to AAX45154 to AAX45154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Peptides binding to galanin receptor proteins, used to, e.g. improve kidney functioning -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Physiologically active peptide: receptor binding; galanin receptor; Schli, Ghlz; Ghlz; chymotrypsin; ligand; preprogalanin; galanin; drug development; memory function; appetite improver; womb; kidney; function regulator; prostate; testis; skeletal muscle; ss.
-seq_name: /SIDS1/gcgdata/geneseq/geneseqn/NA1999.DAT:AAZ25536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kitada C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Receptor binding peptide encoding cDNA SEQ ID NO:42.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matsui H, Ishibashi Y, Ogi K,
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                                                                                                                                                                                                          seq_documentation_block:
ID AA225536 standard; cDNA; 473 BP
                                                                                                                                                                   134 ysGluGluAspValLeuLysSer 141
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Physiologically active peptide; receptor binding; galanin receptor; GALR1; GALR2; GALR3; chymotrypsin; ligand; preprogalanin; galanin; drug development; memory function; appetite improver; womb; kidney; function regulator; prostate; testis; skeletal muscle; ss.
                                                                                                                                                                                                                     101 AlaArgLysHisArgArgGluThrProThrGlyGluGlyGluGlnGlySe 117
                                                                                                                                                                                                                                                                                               376
                                                                                                                                                                                                                                                                                                                                    117 rGlyArgGlnSerLeuGluAspLeuGlyMetLeuSerMetLysIleProL 134
83 ATGGCTCCTCCGTCCCCTGGTCCTCCTCCTCCTCCTCTTGCTGAG 132
                                     133 CCTGGCAGAGACTCCAGCATCCGCACCTGCCCACCGGGGACGAGGAGGCT 182
                                                                                                                                         67
                        17 rLeuAlaGluThrProAlaSerAlaProAlaHisArgGlyArgGlyGlyT 34
                                                                                                                                                                      pLeuTrpLysAlaileAspGlyLeuProTyrSerHisProProGlnProS 84
                                                                                                                                                                                                                                                                                                                                                                                                                         seq_name: /SIDS1/gcgdata/geneseq/genesegn/NA1999.DAT:AAZ25535
                                                                                                                       51 GlnMetGlyAspGlnAspGlyLysArgGluThrAlaLeuGluIleLeuAs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Receptor binding peptide encoding cDNA SEQ ID NO:41.
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tD AA225535 standard; cDNA; 695 BP.
                                                                                                                                                                                                                                                                                                                                                                        134 ysGluGluAspValLeuLysSer 141
                                                                                                                                                                                                                                                                                                                                                                                                  408 AGGAGGAGGIGTCCTGAAGTCA 430
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The present invention describes peptides (I) binding to galanin receptor

Claim 13; Page 143; 153pp; Japanese.

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to: 473

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alignment_block: US-09-689-911-2 x AAZ25536

Gaps: 1 Percent Identity: 82.270 Length:

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Peptides binding to galanin receptor proteins, used to, e.g. improve

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